

CLAIMS

1. Glass ceramic or glass body that can be subjected to high thermal loads, decorated with a colorant based on a silicate melt containing effect pigments, **characterized in that** the silicate melt contains a specified amount of special-effect pigments which on the decorated glass ceramic or glass body show a color-flop effect.

2. Glass ceramic or glass body as defined in claim 1, **characterized in that** the special-effect pigments consist of synthetically produced, plane-parallel silicon dioxide (SiO_2) platelets coated with metal oxides.

3. Glass ceramic or glass body as defined in claim 2, **characterized in that** the special-effect pigments are effect pigments supplied commercially by the Merck company under the tradename Colorstream® multicolor effect pigments.

4. Glass ceramic or glass body as defined in claim 3, **characterized in that** the effect pigment is one bearing the tradename Colorstream® Autumn Mystery.

5. Glass ceramic or glass body as defined in claim 3, **characterized in that** the effect pigment is one bearing the tradename Colorstream® Viola Fantasy.

6. Glass ceramic or glass body as defined in claim 3, **characterized in that** the effect pigment is one bearing the tradename Colorstream® Arctic Fire.

7. Glass ceramic or glass body as defined in one of claims 1 to 6, **characterized in that** the silicate melt consists of molten glass.

8. Glass ceramic or glass body as defined in claim 7, **characterized in that** the molten glass has the composition (in weight %):

Li_2O	0 - 5
Na_2O	0 - 5
K_2O	< 2

	$\Sigma \text{Li}_2\text{O} + \text{Na}_2\text{O} + \text{K}_2\text{O}$	1 - 10
	MgO	0 - 3
	CaO	0 - 4
	SrO	0 - 4
5	BaO	0 - 4
	ZnO	0 - 4
	B_2O_3	15 - 27
	Al_2O_3	10 - 20
	SiO_2	43 - 58
10	TiO_2	0 - 3
	ZrO_2	0 - 4
	Sb_2O_3	0 - 2
	F	0 - 3

15 9. Glass ceramic or glass body as defined in one of claims 1 to 8, **characterized in that** to the silicate melt are added besides the special- effect pigments also common fillers and/or other conventional colored pigments.

20 10. Glass ceramic or glass body as defined in one of claims 1 to 9, **characterized in that** the decoration is done by screen printing.

11. Glass ceramic or glass body as defined in one of claims 1 to 10, **characterized in that** the special-effect pigments amount to 1 to 30 wt. % of the pigments.

25 12. Glass ceramic or glass body as defined in one of claims 1 to 11 constituting the cooking surface of a cooking area with the decoration on the topside of the cooking surface.

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